



MATERIAL SAFETY DATA SHEET

MSDS

DATE: 11/3/98	MSDS #: 522244	NEW <input checked="" type="checkbox"/> REVISED <input type="checkbox"/>
PURSELL INDUSTRIES, INC. P.O. Box 540 Sylacauga, AL 35150		EMERGENCY PHONE NUMBERS: PURSELL: 1-800-874-8892 CHEMTREC: 1-800-424-9300

SECTION - I - PRODUCT INFORMATION

PRODUCT NAME: Vigoro Premium Citrus & Avocado Food 12-5-8
PRODUCT NUMBER: 522244
CHEMICAL NAME: Polymer-coated Urea, Sulfate of Ammonia, Diammonium Phosphate, and Muriate of Potash
CHEMICAL CLASS: Fertilizer Compound
NFPA RATING: Health - 1 Flammability - 0 Reactivity - 0 Special - None
NFPA CODES: 0=Least 1=Slight 2=Moderate 3=High 4=Extreme

SECTION - II - INGREDIENT INFORMATION

INGREDIENT	CAS NUMBER	PEL	TLV	% BY WEIGHT
Inert components	Mixture	NI	10mg/m ³	100.00

SECTION - III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: NA
Bulk Density: 65 - 67 lbs/ft³
Vapor Pressure (mmHg): NA
Melting Point: NA
Vapor Density (Air = 1): NA
Evaporation Rate (Butyl Acetate=1): NA
Solubility in Water: Fertilizer chemicals are water soluble. Polyurethane coating is water insoluble.
Appearance and Odor: Beige, brown, white, yellow, and/or green fertilizer granules. Slight fertilizer odor

SECTION - IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: NA
Flammable Limits: LEL: NA UEL: NA
Extinguishing Media: Water spray, dry chemical, CO₂, sand, or fine earth. Material is essentially non-flammable.
Special Fire Fighting Procedures: Wear full protective clothing and self-contained breathing apparatus. Short term exposure to smoke, fumes, and gases can lead to irreversible lung injury without early signs and symptoms. Use extinguishing media suitable for the surrounding fire.
Unusual Fire and Explosion Hazards: Decomposition products may be toxic. Run-off from fire control area or dilution water may cause pollution. If surface water is contaminated, contact local authorities.

SECTION - V - REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to avoid): Store separately from acids and bases.
Hazardous Decomposition or Byproducts: Thermal degradation may produce: biuret, cyanuric acid, hydrogen cyanide, chlorine gas, sulfur oxides, and nitrogen oxides.
Hazardous Polymerization: Will not occur.

SECTION - VI - HEALTH HAZARD DATA

ACUTE AND CHRONIC HEALTH HAZARDS / EMERGENCY AND FIRST AID PROCEDURES

Route(s) of entry: Inhalation; Ingestion

Eyes: May cause moderate irritation. If eye contact occurs, flush eyes with running water for 15 minutes.

Skin: May cause moderate irritation. Wash with soap and water if irritation occurs.

Inhalation: May cause moderate irritation to the nose, throat, and lungs. If prolonged inhalation of dust occurs, remove to fresh air.

Ingestion: Immediately seek medical assistance. Call a physician. The phone number to the National Poison Control Center is (202) 625-3333. If ingested and person is conscious give 1 or 2 glasses of water to drink and induce vomiting by touching back of throat with finger. May cause headache, nausea, and vomiting.

Signs and Symptoms of Exposure: Irritation to eyes, skin, or respiratory tract. No chronic health effects data have been established.

Other Health Warnings: Call a physician if irritation persists. Wash hands with soap and water after handling.

SECTION - VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Storage: Store in original container in a cool dry area. Keep out of reach of children and domestic animals. Store separately from feed, food, pesticides, seeds and other fertilizers so that cross contamination does not occur.

Procedures in case of spill or release: If material is uncontaminated, collect and reuse as recommended for product. Avoid dusts, or use NIOSH/MSHA approved respirator.

Waste Disposal Method: Apply as fertilizer if uncontaminated. If contaminated, dispose of in accordance with all Federal, State, and Local laws.

Other Precautions: Washing facilities should be available.

SECTION - VIII - CONTROL MEASURES

Ventilation Requirements: None required with normal use of this product.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: None required with normal use of this product.

Protective Clothing: Wear long sleeved shirt, long pants, shoes and socks, and impervious gloves.

Eye Protection: Use of safety glasses with side shields is recommended.

SECTION - IX - ADDITIONAL INFORMATION

This product is a plant food. However, large spills could possibly kill vegetation or cause illness in animals. Contamination of waterways may cause fish kill. Keep animals away from large spills.

SECTION - X- SARA TITLE III REQUIREMENTS

Section 302 Extremely Hazardous Substances: No

Carcinogenic Compound(s): (IARC/NTP/OSHA/ACGIH): None

Section 311/312 Hazardous Substances: No

Section 313 Toxic Chemicals: No

OTHER PRECAUTIONS AND COMMENTS

The information in this Material Safety Data Sheet is believed to accurately reflect the scientific evidence used in making the hazard determination. It is considered only as a guide, and not a warranty or representation for which we assume legal responsibility. Independent decisions must be made on the suitability and use of this product dependent on variable storage conditions or locally applicable laws or government regulations. The buyer and user assumes all risk and liability of storage, handling, and use of this product not in accordance with the terms of the product label.

NA = NOT APPLICABLE

PURSELL INDUSTRIES, INC.

NI = NOT INDICATED

Contact: Customer Service
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